

## **Required Supplementary Information**

## Public Employees' Retirement System - Plan 1

### Schedule of Funding Progress

Calendar Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	12/31/2000	12/31/1999	12/31/1998	12/31/1997	12/31/1996	12/31/1995
Actuarial Value of Plan Assets	\$ 11,111	\$ 10,456	\$ 9,219	\$ 8,211	\$ 7,197	\$ 6,440
Actuarial Accrued Liability	11,695	11,636	11,227	10,817	10,339	9,918
Unfunded Actuarial Liability	584	1,180	2,008	2,606	3,142	3,478
Percentage Funded	95%	90%	82%	76%	70%	65%
Covered Payroll	1,132	1,184	1,233	1,271	1,308	1,324
Unfunded Actuarial Liability as a Percentage of Covered Payroll	52%	100%	163%	205%	240%	263%

Source: Washington State Office of the State Actuary

## Teachers' Retirement System - Plan 1

### Schedule of Funding Progress

Fiscal Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	6/30/2000	6/30/1999	6/30/1998	6/30/1997	6/30/1996	6/30/1995
Actuarial Value of Plan Assets	\$ 9,372	\$ 8,696	\$ 7,819	\$ 6,844	\$ 5,924	**
Actuarial Accrued Liability	9,566	9,529	9,354	9,044	8,796	**
Unfunded Actuarial Liability	194	833	1,535	2,200	2,872	**
Percentage Funded	98%	91%	84%	76%	67%	**
Covered Payroll	957	984	1,046	1,083	1,128	**
Unfunded Actuarial Liability as a Percentage of Covered Payroll	20%	85%	147%	203%	255%	**

\*\* data not available

Source: Washington State Office of the State Actuary

## Law Enforcement Officers' and Fire Fighters' Retirement System- Plan 1

### Schedule of Funding Progress

Calendar Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	12/31/2000	12/31/1999	12/31/1998	12/31/1997	12/31/1996	12/31/1995
Actuarial Value of Plan Assets	\$ 5,440	\$ 5,150	\$ 4,568	\$ 4,087	\$ 3,594	**
Actuarial Accrued Liability	4,002	4,125	3,906	3,767	4,006	**
Unfunded (Assets in Excess of)						
Actuarial Liability	(1,437)	(1,024)	(662)	(320)	412	**
Percentage Funded	136%	125%	117%	108%	90%	**
Covered Payroll	95	106	117	128	137	**
Unfunded Actuarial Liability as a						
Percentage of Covered Payroll	N/A	N/A	N/A	N/A	301%	**

\*\* data not available

Source: Washington State Office of the State Actuary

## Judicial Retirement System

### Schedule of Funding Progress

Calendar Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	12/31/2000	12/31/1999	12/31/1998	12/31/1997	12/31/1996	12/31/1995
Actuarial Value of Plan Assets	\$ 10	\$ 9	\$ 8	\$ 5	\$ 4	**
Actuarial Accrued Liability	93	94	97	95	92	**
Unfunded Actuarial Liability	83	85	89	90	88	**
Percentage Funded	11%	10%	8%	5%	4%	**
Covered Payroll	4.0	4.0	4.0	4.0	5.0	**
Unfunded Actuarial Liability as a						**
Percentage of Covered Payroll	2075%	2125%	2225%	2250%	1760%	**

\*\* data not available

Source: Washington State Office of the State Actuary

## Volunteer Fire Fighters' Relief and Pension Fund

### Schedule of Funding Progress

Calendar Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	12/31/2000	12/31/1999	12/31/1998	12/31/1997	12/31/1996	12/31/1995
Actuarial Value of Plan Assets	\$ 126	\$ 118	\$ 102	\$ 91	\$ 74	\$ 69
Actuarial Accrued Liability	96	98	94	69	67	65
Unfunded (Assets in Excess of)						
Actuarial Liability	(30)	(20)	(8)	(22)	(7)	(4)
Percentage Funded	131%	120%	109%	132%	110%	106%
Covered Payroll*	N/A	N/A	N/A	N/A	N/A	N/A
Unfunded Actuarial Liability as a						
Percentage of Covered Payroll	N/A	N/A	N/A	N/A	N/A	N/A

\*Covered Payroll is not presented because it is not applicable since this is a volunteer organization.

Source: Washington State Office of the State Actuary

## Judges' Retirement Fund

### Schedule of Funding Progress

Calendar Years 2000 through 1995 (dollars in millions)

	2000	1999	1998	1997	1996	1995
Actuarial Valuation Date	12/31/2000	12/31/1999	12/31/1998	12/31/1997	12/31/1996	12/31/1995
Actuarial Value of Plan Assets	\$ 5	\$ 4	\$ 4	\$ 4	\$ 3	**
Actuarial Accrued Liability	6	6	7	7	7	**
Unfunded Actuarial Liability	1	2	3	3	4	**
Percentage Funded	83%	67%	57%	57%	43%	
Covered Payroll	0.1	0.1	0.1	0.2	0.4	**
Unfunded Actuarial Liability as a						
Percentage of Covered Payroll	1000%	2000%	3000%	1500%	1000%	**

\*\* data not available

Source: Washington State Office of the State Actuary

## Schedules of Contributions from Employers and Other Contributing Entities

For the Fiscal Years Ended June 30, 2001 through 1996

	2001	2000	1999	1998	1997	1996
<b>Public Employees' Retirement</b>						
<b>System - Plan 1</b> (expressed in millions)						
Employers' Annual Required						
Contribution	\$ 118.8	\$ 199.2	\$ 237.6	\$ 287.2	\$ 355.0	\$ 372.0
Employers' Actual Contribution	181.7	200.2	234.3	226.1	206.0	201.0
Percentage Contributed	153%	101%	99%	79%	58%	54%
<b>Public Employees' Retirement</b>						
<b>System - Plan 2</b> (expressed in millions)						
Employers' Annual Required						
Contribution	\$ 55.6	\$ 103.6	\$ 86.6	\$ 106.3	\$ 185.0	\$ 195.0
Employers' Actual Contribution	115.0	101.9	238.4	222.8	224.0	195.0
Percentage Contributed	207%	98%	275%	210%	121%	100%
<b>Teachers' Retirement</b>						
<b>System - Plan 1</b> (expressed in millions)						
Employers' Annual Required						
Contribution	\$ 90.6	\$ 176.1	\$ 209.7	\$ 269.7	\$ 338.0	\$ 355.0
Employers' Actual Contribution	141.3	183.0	222.5	211.6	210.0	225.0
Percentage Contributed	156%	104%	106%	78%	62%	63%
<b>Teachers' Retirement</b>						
<b>System - Plan 2/3</b> (expressed in millions)						
Employers' Annual Required						
Contribution	\$ 40.4	\$ 56.2	\$ 45.9	\$ 59.8	\$ 82.0	\$ 79.0
Employers' Actual Contribution	69.6	75.3	100.2	105.6	103.0	79.0
Percentage Contributed	172%	134%	218%	177%	126%	100%
<b>School Employees' Retirement</b>						
<b>System - Plan 2/3</b> (expressed in millions)						
Employers' Annual Required						
Contribution	\$ 6.7	N/A	N/A	N/A	N/A	N/A
Employers' Actual Contribution	19.9	N/A	N/A	N/A	N/A	N/A
Percentage Contributed	297%	N/A	N/A	N/A	N/A	N/A

Source: Washington State Office of the State Actuary

\*\* data not available

N/A SERS did not exist prior to 9/1/2000

## Schedules of Contributions from Employers and Other Contributing Entities

For the Fiscal Years Ended June 30, 2001 through 1996

	2001	2000	1999	1998	1997	1996
<b>Law Enforcement Officers' and Fire Fighters' Retirement System - Plan 1</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ 0.0	\$ 6.3	\$ 6.9	\$ 7.5	\$ 8.1	**
Employers' Actual Contribution	0.1	6.3	7.2	7.6	8.2	**
Percentage Contributed	NA	100%	104%	101%	101%	**
State Annual Required Contribution	(100.5)	(66.1)	(33.7)	(3.1)	67.1	**
State Actual Contribution	-	-	48.8	50.4	66.7	**
Percentage Contributed	N/A	N/A	N/A	N/A	99%	**

<b>Law Enforcement Officers' and Fire Fighters' Retirement System - Plan 2</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ 20.3	\$ 26.9	\$ 22.3	\$ 22.5	\$ 28.1	**
Employers' Actual Contribution	31.5	26.2	34.3	31.1	28.5	**
Percentage Contributed	155%	97%	154%	138%	101%	**
State Annual Required Contribution	13.5	18.0	14.9	15.0	18.7	**
State Actual Contribution	20.9	17.1	22.2	20.1	17.7	**
Percentage Contributed	155%	95%	149%	134%	95%	**

<b>Washington State Patrol Retirement System</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ (11.9)	\$ (11.4)	\$ (6.7)	\$ (3.9)	\$ 0.5	**
Employers' Actual Contribution	-	-	5.9	6.0	6.8	**
Percentage Contributed	N/A	N/A	N/A	N/A	1360%	**

Source: Washington State Office of the State Actuary

\*\* data not available

## Schedules of Contributions from Employers and Other Contributing Entities

For the Fiscal Years Ended June 30, 2001 through 1996

	2001	2000	1999	1998	1997	1996
<b>Judicial Retirement System</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ 13.3	\$ 12.5	\$ 12.2	\$ 11.6	\$ 12.7	**
Employers' Actual Contribution	7.3	7.3	8.8	8.8	6.9	**
Percentage Contributed	55%	58%	72%	76%	54%	**
<b>Judges' Retirement Fund</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ 0.2	\$ 0.3	\$ 0.3	\$ 0.4	\$ 0.4	**
Employers' Actual Contribution	0.8	0.8	0.8	0.8	0.8	**
Percentage Contributed	400%	267%	267%	200%	200%	**
<b>Volunteer Fire Fighters' Relief and Pension Fund</b> (expressed in millions)						
Employers' Annual Required Contribution	\$ 0.7	\$ 0.7	\$ 0.8	\$ 0.7	\$ 0.5	**
Employers' Actual Contribution	0.7	0.7	0.8	0.7	0.6	**
Percentage Contributed	100%	100%	100%	100%	120%	**
State Annual Required Contribution	\$ (1.0)	\$ 0.1	\$ 0.8	\$ (0.3)	\$ 0.4	**
State Actual Contribution	3.3	2.7	2.5	2.0	3.0	**
Percentage Contributed	N/A	2700%	313%	N/A	750%	**

Source: Washington State Office of the State Actuary

\*\* data not available

## Notes to Required Supplementary Schedules Defined Benefit Pension Plans

For the Fiscal Year Ended June 30, 2001

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated below. Additional information as of the latest valuation follows.

	PERS Plan 1	PERS Plan 2	TRS Plan 1	TRS Plan 2/3	SERS Plan 2/3
Valuation - date	12/31/2000	12/31/2000	6/30/2000	6/30/2000	12/31/2000
Actuarial cost method	entry age	aggregate**	entry age	aggregate**	aggregate**
Amortization Method:					
Funding	level %	n/a	level %	n/a	n/a
GASB	level \$	n/a	level \$	n/a	n/a
Remaining amortization					
period (closed)	6/30/2024	n/a	6/30/2024	n/a	n/a
Asset valuation method	4-year smoothed fair value	4-year smoothed fair value	4-year smoothed fair value	4-year smoothed fair value	4-year smoothed fair value
Actuarial assumptions:					
Investment rate of return	8.00%	8.00%	8.00%	8.00%	8.00%
Projected salary increases (5)	(1)	(1)	(2)	(2)	(1)
Includes inflation at	3.50% *	3.50%	3.50% *	3.50%	3.50%
Cost of living adjustments	Uniform COLA* gain sharing COLA*	CPI increase, maximum 3%	Uniform COLA* gain sharing COLA*	CPI increase, maximum 3%	CPI increase, maximum 3%

### Significant Assumptions:

- (1) 4.7% for the first year grading to zero with 17 years of service
- (2) 5.0% for the first year grading to 1.5% with 15 years of service and .5% thereafter
- (3) 9.0% for the first year grading to .6% with 18 years of service and .5% thereafter
- (4) 6.0% followed by a non-monotonic decrease to zero after 7 years of service
- (5) Salary Inflation at 4.5% plus the merit increase described above.

\* Generally, all retirees over age 66 receive an increase in their monthly benefit at least once a year.

The Uniform COLA increase is added every July. On 7/1/1999, it was \$0.77 per year of service.

The gain sharing COLA is added every even-numbered year if certain extraordinary investment gains are achieved.

In 1998, it was \$0.11. On 1/1/2000, it was \$0.28 per year of service.

The next Uniform COLA amount is calculated as the last Uniform COLA amount plus any gain sharing COLA amount, all increased by 3%. On 7/1/2000, it is  $(\$0.77 + \$0.28) \times 1.03 = \$1.08$ . On 7/1/2001, it is  $(\$1.08 + \$0.00) \times 1.03 = \$1.11$ .

\*\* The aggregate cost method does not identify or separately amortize unfunded actuarial liabilities.

\*\*\* Pay-as-you-go for funding



LEOFF Plan 1	LEOFF Plan 2	WSPRS	JRS	Judges	VFFRPF
12/31/2000	12/31/2000	12/31/2000	12/31/2000	12/31/2000	12/31/2000
entry age	aggregate**	aggregate**	entry age***	entry age***	entry age
level %	n/a	n/a	n/a	n/a	level \$
level \$	n/a	n/a	level \$	level \$	level \$
6/30/2024 4-year smoothed fair value	n/a 4-year smoothed fair value	n/a 4-year smoothed fair value	12/31/2008 market	12/31/2008 market	12/31/2017 4-year smoothed fair value
8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
(3)	(3)	(4)	4.5%	4.5%	n/a
3.50%	3.50%	3.50%	3.50%	3.50%	n/a
CPI increase	CPI increase, maximum 3%	CPI increase, maximum 3%	3.00%	none	none

